

CONSTRUCTION MANAGEMENT (B.S.C.M.)

Construction management incorporates planning, coordinating and building skills to take a project from conception to completion. Construction Managers coordinate activities and work with a wide variety of professionals including architects, engineers, financial experts, suppliers and the public stakeholders. The Bachelor of Science in Construction Management (B.S.C.M.) emphasizes public and private, commercial and residential construction with a focus on sustainable construction methods. This program employs a team-based interdisciplinary learning philosophy. This approach provides students with knowledge for leadership in sustaining our world and with the critical thinking skills required for effective and innovative practice with particular emphasis on technologies needed to solve problems and deliver successful construction projects.

The Construction Management program in the U.A. Whitaker College of Engineering at FGCU will produce graduates who:

- Create construction management documents for effective project delivery.
- Apply knowledge, technology and technical and management skills to manage the construction process and sustainably construct facilities and physical structures.
- Create written and oral communications appropriate to the construction discipline.
- Analyze construction documents, methods, materials, and equipment used to construct projects for management of construction processes.

Program Progression and Additional Graduation Requirements

Students admitted to FGCU as a degree seeking student in good academic standing may declare a major in construction management. All construction management majors must satisfy the academic milestones as described in the student guidebook. Refer to the Construction Management (B.S.C.M.) Student Guidebook for further information on milestones.

In addition to the program requirements, students must:

- Complete a minimum of 120 credits.
- Complete a minimum of 48 credits at the upper division (3000-4999 level).
- Earn a cumulative GPA of 2.0 for all coursework attempted at FGCU.
- Satisfy the College-Level Skills and foreign language entrance requirements.
- Satisfy the Service-Learning requirement.
- Satisfy the Civic Literacy requirement.
- Satisfy the residency requirement: 30 of the last 60 credits, including 12 credits in the major must be completed at FGCU. Also, BCN 3590 Sustainable Approach to Const and BCN 4787 Const Capstone must be taken at FGCU. BCN 3590 Sustainable Approach to Const will satisfy the SCGR Requirement.
- Complete the summer course enrollment requirement.

- Submit an application for graduation by the deadline listed in the FGCU Academic Calendar.

Program Requirements

Code	Title	Credits
FGCU General Education Program (https://www.fgcu.edu/academics/undergraduatestudies/generaleducation/)		
To prevent or minimize excess hours, select general education courses that satisfy common prerequisite requirements for your intended major.		
Common Prerequisites		
For this major, common prerequisite courses with an asterisk (*) require prior knowledge and skills demonstrated through degree acceleration programs (e.g., the College Board's Advanced Placement Program [AP], International Baccalaureate Program [IB], College-Level Examination Program [CLEP], Advanced International Certificate of Education Program [AICE]); dual enrollment; placement exam; or college coursework.		
A minimum grade of C is required in each course		
ACG 2021	Intro. to Financial Acctg. (Acceptable Substitute: ACGX021 or ACGX024 or ACGX001)	3
BCN 1210C	Construction Materials (Acceptable Substitute: BCNX210 or BCNX210C)	4
BCN 1251C	Construction Drawing (Acceptable Substitute: BCNX251)	3
BCN 1930	Construction Seminar (Acceptable Substitute: BCNX930)	1
BCN 2405C	Construction Mechanics (Acceptable Substitute: BCNX405C or BCNX405)	3
BUL 3130	Legal & Ethical Enviro of Bus (Acceptable Substitute: BULX320 or BULX241 or BULX310 or BULX130)	3
ECO 2013	Principles of Macroeconomics (Acceptable Substitute: ECOX013 or ECOX023)	3
GLY 2030C	Environmental Geology (Acceptable Substitute: GLYX030C or (GLYX010 and GLYX010L) or GLY X010C or (CHMX045 and CHMX045L) or EVRX001C or BSCX010C or ESCX000C)	3
MAC 1147	Precalculus (Acceptable Substitute: MACX147) ^{*,1}	4
PHY 2053 & 2053L	College Physics I and College Physics I Laboratory (Acceptable Substitute: (PHYX053 and PHYX053L) or (PHYX048 and PHYX048L) or PHYX053C)	4
SPC 1608	Effective Speaking (Acceptable Substitute: SPCX608 or COMX000 or SPCX017 or SPCX023)	3
STA 2023	Statistical Methods (Acceptable Substitute: STAX023)	3
Required Courses in the Major		(54 credits)
A minimum grade of C is required in each course		
BCN 3218C	Construction Materials II	3
BCN 3240C	Construction Methods and Equip	3
BCN 3255	Graphic Communication in Const	3
BCN 3431C	Structures for Const	3
BCN 3521C	Electrical Systems	3
BCN 3590	Sustainable Approach to Const	3

BCN 3611C	Construction Estimating I	3
BCN 4252	Building Information Modeling	3
BCN 4423C	Temporary Structures	3
BCN 4510C	Mechanical Systems	3
BCN 4612C	Estimating II	3
BCN 4709C	Const Project Management	3
BCN 4720	Const Planning and Control	3
BCN 4730	Construction Safety Health&Env	3
BCN 4740	Construction Law & Contracts	3
BCN 4753C	Construction Finance	3
BCN 4787	Const Capstone (capstone)	3
MAN 3025	Principles of Management	3

Restricted Electives in the Major (6 credits)

A minimum grade of C is required in each course

Complete 6 credits from the following:

BCN 4237	Roofing Construction	3
BCN 4316	Virtual Design & Construction	3
BCN 4594	Building Energy Modeling	3
BCN 4935	Special Topics in Const	3
BCN 4949	Internship in Const	1-3

Sustainability Course Graduation Requirement (3 credits)

Select at least 3 credits in sustainability coursework (SCGR Attribute)

Additional Electives

As needed to reach total credits required for the degree

¹ Prerequisites of MAT 1033 minimum grade of C then MAC 1105 minimum grade of C; or relevant accelerated credit; or placement exam

Total Credits Required: 120